



Multiplying and Dividing Powers of Ten

Unit 5, Station 1, Round 3, Task 3

Solve each problem.

- 1) $1,190 \div 10^1$
- 2) $2,560,000 \div 10^2$
- 3) $6,800 \div 10^2$
- 4) $200 \div 10^2$
- 5) $20,000 \div 10^4$
- 6) $60,000 \div 10^4$
- 7) $600,000 \div 10^3$
- 8) $40,000 \div 10^3$
- 9) $1,280,000 \div 10^2$
- 10) $670 \div 10^1$
- 11) $20,000 \div 10^2$
- 12) $430 \div 10^1$
- 13) $28,200,000 \div 10^4$
- 14) $20,000 \div 10^3$
- 15) $692,000 \div 10^2$
- 16) $7,600 \div 10^1$
- 17) $130,000 \div 10^3$
- 18) $730 \div 10^1$
- 19) $293,000 \div 10^3$
- 20) $400,000 \div 10^3$

1. 119
2. 25,600
3. 68
4. 3
5. 2
6. 6
7. 600
8. 40
9. 12,800
10. 67
11. 200
12. 43
13. 2,820
14. 20
15. 6,920
16. 760
17. 130
18. 73
19. 293
20. 400



Solve each problem.

$$5.47 \times 10^4$$

This is the same as saying:

$$5.47 \times (10 \times 10 \times 10 \times 10)$$

And because the base is 10 you can just move the decimal 4 places to the right to solve.

$$\underline{54700.}$$

$$5.47 \times 10^4 = 54,700$$

$$2.36 \div 10^2$$

Division is the same way. Only instead of moving the decimal right, you move it left.

$$\underline{.0236}$$

You can also multiply a negative exponent, which means the same thing.

$$2.36 \times 10^{-2} = 2.36 \div 10^2$$

1. 0.46278

2. 3.79

3. 0.02579

4. 0.74344

5. 0.06722

6. 0.9657

7. 0.00397

8. 0.006971

9. 0.56448

10. 0.00857

11. 3.296

12. 98.579

13. 0.02532

14. 0.0969469

15. 0.00616

16. 0.00292

17. 0.5824

18. 94.141

19. 98.994

20. 58.16

1) $46.278 \div 10^2$

2) 1.2×10^1

3) $257.9 \div 10^4$

4) $74344 \div 10^2$

5) $6.722 \div 10^2$

6) $9.7 \div 10^3$

7) $39.7 \div 10^4$

8) $1.1 \div 10^3$

9) $564.48 \div 10^3$

10) $3.296 \div 10^1$

11) $329.6 \div 10^2$

12) $98.579 \div 10^1$

13) $253.2 \div 10^4$

14) $9.69469 \div 10^4$

15) $61.6 \div 10^4$

16) $2.92 \div 10^3$

17) $5.824 \div 10^1$

18) $94.141 \div 10^1$

19) $989.94 \div 10^1$

20) $58.16 \div 10^1$